

# Search Results -

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| 13 and (content or history or profile or path or site or address).ti,ab,clm. | /         |

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# Search History

Today's Date: 3/27/2001

| DB Name | <u>Query</u>   | Hit Count S | Set Name  |
|---------|--|-------------|-----------|
| USPT    | 13 and (content or history or profile or path or site or address).ti,ab,clm. | 54          | <u>L4</u> |
| USPT    | l2 and (content or profile or user)  | 78          | <u>L3</u> |
| USPT    | 11 and server.ti,ab,clm. and client.ti,ab,clm.                               | 80          | <u>L2</u> |
| USPT    | cache.ti,ab,clm. and (web or page or site).ti,ab,clm.                        | 663         | <u>L1</u> |

# **Generate Collection**

L4: Entry 3 of 54

File: USPT

Feb 6, 2001

US-PAT-NO: 6185608

DOCUMENT-IDENTIFIER: US 6185608 B1

TITLE: Caching dynamic web pages

DATE-ISSUED: February 6, 2001

#### INVENTOR-INFORMATION:

| NAME                | CITY      | STATE | ZIP CODE | COUNTRY |
|---------------------|-----------|-------|----------|---------|
| Hon; Lenny K.       | Waterloo  | N/A   | N/A      | CAX     |
| Kuperman; Leon      | Thornhill | N/A   | N/A      | CAX     |
| Mau; Louis S.       | Burnaby   | N/A   | N/A      | CAX     |
| Mohelsky; Alexander | Toronto   | N/A   | N/A      | CAX     |

### ASSIGNEE-INFORMATION:

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CITY STATE ZIP CODE COUNTRY TYPE CODE

N/A

International Business Machines Corporation

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N/A

02

APPL-NO: 9/ 096305

DATE FILED: June 12, 1998

INT-CL: [7] G06F 13/38, G06F 15/17 US-CL-ISSUED: 709/216; 707/10 US-CL-CURRENT: 709/216; 707/10

FIELD-OF-SEARCH: 709/203, 709/245, 709/229, 709/205, 709/246, 709/248, 709/213-216, 707/203, 707/10

PRIOR-ART-DISCLOSED:

## U.S. PATENT DOCUMENTS

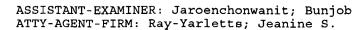
|   |         | Search Sele   | cted   | Search ALL    |         |
|---|---------|---------------|--------|---------------|---------|
|   | PAT-NO  | ISSUE-DATE    | PATENT | CEE-NAME      | US-CL   |
|   | 5920725 | July 1999     | Ma et  | al.           | 707/203 |
|   | 5991773 | November 1999 | Tagawa | à             | 707/203 |
|   | 6003087 | December 1999 | House? | l, III et al. | 709/229 |
| m | 6016512 | January 2000  | Huiter | na            | 709/245 |

### OTHER PUBLICATIONS

Active transaction integrated with real-time transactions according to data freshness, Shimakawa et al., ieeexplore.ieee.org, pp. 321-328 and, 1997. A distributed web server and its performance analysis on multiple platforms, Liu et al., ieeexplorer.ieee.org, pp. 665-672, 1996.

ART-UNIT: 276

PRIMARY-EXAMINER: Rinehart; Mark



### ABSTRACT:

Web pages for commercial applications, such as electronic retail, are built "on-the-fly" in Hypertext Markup Language (HTML) from product data stored in the merchant's database. To reduce costs in time and computing resources and to improve customer access to data from the merchant's web site, pages created in HTML are cached on the merchant server. On a customer request for a page, the merchant server checks the cache first for the page, and if it isn't found there, generates a new page from the database. To maintain the validity of the content of the cached pages, the database tables include triggers that cause identifying information for any changes made on the stored data to be forwarded to a cache log. A synchronization daemon walks the cache log from time to time to locate pages that should be purged from the cache because their content is no longer synchronous with the data stored in the database. By setting preferences for identifiable customers in advance, data generated from the database can be selected for specific customer groups.

14 Claims, 4 Drawing figures